

Appl. No. 10/709,610  
Amdt. dated April 14, 2006  
Reply to Office action of February 14, 2006

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

- 5 Claim 1 (Currently Amended): A scanner comprising:
- a linear light source having a length along a line for generating light;
  - a reflective piece including one protrusion for reflecting the light from the light source, the reflective piece located on a first side of the light source and having a length running substantially parallel to the line except at the protrusion where-  
10 ~~the length is~~ , the protrusion being angled with respect to the line;
  - a lens for transmitting the light from the light source and the reflective piece, the lens located on a second side, which is opposite the first side, of the light source; and
  - a sensor for detecting the light from the lens.
- 15
- Claim 2 (Original): The scanner of claim 1 wherein the protrusion is located at the center of the reflective piece for reflecting part of the light from the light source to two sides of the light source.
- 20 Claim 3 (Original): The scanner of claim 1 wherein the reflective piece further comprises a dark section decreasingly distributed from the center to the two sides of the reflective piece for absorbing part of the light from the light source.
- 25 Claim 4 (Original): The scanner of claim 3 wherein the reflective piece comprises two protrusions located at two sides of the dark section for reflecting the part of the light from the light source to the two sides of the light source.

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Claim 5 (Original): The scanner of claim 1 wherein the protrusion of the reflective piece  
is triangular.

5 Claim 6 (Original): The scanner of claim 1 wherein the protrusion of the reflective piece  
is arc-shaped.

Claim 7 (Original): The scanner of claim 1 wherein the scanner is a paper feed scanner.

10 Claim 8 (Original): The scanner of claim 1 wherein the scanner is a flatbed scanner.

Claim 9 (Original): The scanner of claim 1 wherein the light source is a fluorescent tube.

15 Claim 10 (Original): The scanner of claim 1 wherein the sensor is a charge coupled  
device (CCD).